

#3

Express Mail No: EL833230595US

JCE38 U.S. PTO  
09/975842

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE CITATION</b>	DOCKET NO. TagawaGene25Full	SERIAL NO.
	APPLICANT (S) Dr. Rajinder S. Ranu	
	FILING DATE October 12, 2001	ART UNIT

## I.

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
RK	4,237,224	12/02/80	Cohen, et al.	435	68	01/04/79
	4,468,464	08/28/84	Cohen, et al.	435	317	11/09/78
	4,740,463	04/26/88	Weinberg, et al.	435	172.3	04/13/84
	4,740,470	04/26/88	Cohen, et al.	435	172.3	04/20/84
	4,782,022	11/01/88	Puhler, et al.	435	172.3	
	4,801,540	01/31/89	Hiatt, et al.	435	172.3	01/02/87
	4,962,028	10/09/90	Bedbrook, et al.	435	172.3	07/09/86
	5,107,065	04/21/92	Shewmaker, et al.	800	205	08/30/88
	5,123,951	06/23/92	See, et al.	71	86	03/04/87
	5,208,149	05/04/93	Inouye	435	91	04/10/92
	5,272,065	12/21/93	Inouye, et al.	435	91.1	07/21/90
	5,378,619	01/03/95	Rogers	435	172.3	12/22/93
	5,416,250	05/16/95	Ferro, et al.	800	205	06/08/94
	5,565,347	10/15/96	Fillatti, et al.	435	172.3	08/30/93
	5,674,731	10/07/97	Lin, et al.	435	240.4	04/27/95
	5,689,055	11/18/97	Meyerowitz, et al.	800	298	09/19/95
	5,723,766	03/03/98	Theologis, et al.	800	205	06/07/95
	5,759,829	07/02/98	Shewmaker, et al.	435	172.3	07/05/95
	5,824,868	10/20/98	Meyerowitz, et al	800	205	06/07/95
RK	5,824,875	10/20/98	Ranu	800	205	10/01/96
	5,929,302	07/27/99	Kellogg, et al.	800	278	07/08/98
	5,955,652	09/21/99	Ecker, et al.	800	298	03/18/97
	5,965,987	10/12/99	Murata, et al.	315	85	11/13/96
	5,981,727	11/09/99	Baden, et al.	536	23.6	12/06/96
RK	5,998,702	12/07/99	Boeshore, et al.	800	306	06/07/95

Russell Kallie

4/3/03

## II.

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
RK	WO 97/17429	05/15/97					X

## III.

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

RK	Abel, S., et al, "ASC4, a Primary Indoleacetic Acid-responsive Gene Encoding 1-Aminocyclopropane-1-carboxylate Synthase in <i>Arabidopsis thaliana</i> ", Vol 270, 32:19093-19099 (1995)
	Abeles, et al, "Genes Involved in Ethylene Biogenesis", Ethylene In Plant Biology, 2nd Ed., (1992), pp. 251-252
	Abeles, et al, "The Biosynthesis of Ethylene", Ethylene In Plant Biology, 2nd Ed, (1992), pp. 26-55
	Abeles, F.B., et. al., Ethylene in Plant Biology., (1992), pp. 285-291 and 1-13
	Adams, D.O., et al., "Ethylene biosynthesis : Identification of 1-aminocyclopropane-1-carboxylic acid as an intermediate in the conversion of methionine to ethylene", Proc. Nat'l Acad Sci USA 76, 1979, pp. 170-174
	Alberts, B., et al., Molecular Biology of the Cell, 2nd Ed., Garland Publishing, Inc., New York, NY (1989), pp. 195-196
	Altschul, S.F., "Sequence Comparison and Alignment in DNA and Protein Sequence Analysis", (1989), pp. 137-167
	Altschul, S.F., et al, "Gapped BLAST and PSI-BLAST: A New Generation Of Protein Database Search Programs", Nucleic Acids Research, (1997), pp. 3389-3402
	Amrhein, N., et al., "Identification of a Major Metabolite of the Ethylene Precursor 1-Aminocyclopropane-1-carboxylic Acid in Higher Plants.", Naturwissenschaften 68: 619-620 (1981)
	An, et al., "Organ Specific and Developmental Regulation of the Nopaline Synthase Promoter in Transgenic Tobacco Plants.", Plant Physiology 88:547-552 (1988)
	Apel, et al., "The Plastid Membranes of Barley ( <i>Hordeum Vulgare</i> )", Eur. J. Became. 85:581-588 (1978)
	Belagaje, R., et al., "Total Synthesis of a Tyrosine Suppressor Transfer RNA Gene", J. Biol. Chem. 254: 5765-5780 (1979)
	Benfey, et al., "The Camv 35s Enhancer Contains Atleast Two Domains Which Can Confer Different Developmental and Tissue Specific Expression Patterns" EMBO J. 8: 2195-2202 (1989)
	Bevan, et al., "Tissue and Cell specific activity of a phenylalanine ammonia-lyase promoter EMBO J. 8:1899-1906 (1989)
	Binding, H., "Regeneration of Plants", Plant Protoplasts, pp.21-73, (1985)
	Boehringer-Mannheim, "The Genius System Users Guide for Filter Hybridization", Version 2.0, 1992, pp. 6-100
	Botella, J.R., et al, "Identification and Characterization of a Full-length Cdna Encoding for an Auxin-induced 1-aminocyclopropane-1-carboxylate Synthase from Etiolated Mung Bean Hypocotyl Segments and Expression of its Mrna in Reponse to Indole-3-acetic Acid", Plant Molecular Biol 20, pp. 425-436 (1992)
	Botella, J.R., et al., " Identification and characterization of three putative genes for 1-Aminocyclopropane-1-carboxylate Synthase from etiolated mung bean hypocotyl segments", Plant Mol Biol 18, pp. 793-797 (1992)
	Botella, J.R., et al, " Identification of two new members of the 1-Aminocyclopropane-1-carboxylate Synthase-Encoding Multigene family in mung bean", Gene 06852, pp. 249-253, (1993)
	Brach, M.A., "The Mitogenic Response to Tumor Necrosis Factor Alpha Requires c-Jun/AP-1", Molec. Cell. Biol. vol. 13, no. 7, pp. 4284-4290 (1993)
	Breathnach, R. and Chambon, P., "Organization and Expression of Eucaryotic Split Genes Coding for Proteins". Biochem Annual Review, (1981), vol. 50, pp. 349-383
RK	Chomczynski, P., et al., "Single-Step Method of RNA Isolation by Acid Guanidinium Thiocyanate-Phenol-Chloroform Extraction", Analytical Biochemistry, vol. 162, pp. 156-159 (1987)

Russell Kallin

4/3/03

RK	Coruzzi, et al., "Tissue Specific and Light Regulated Expression of a pea nuclear gene encoding the small subunit of ribulose-1,5-bisphosphate carboxylate", EMBO Journal, vol. 5, no. 8, pp. 1671-1679 (1984)
	Dale, P.J., "Protoplast Culture and Plant Regeneration of Cereals and Other Recalcitrant Crops", Protoplasts, pp. 31-41, (1983)
	Davey, M.R., "Recent Developments in the culture and Regeneration of Plant Protoplasts", Protoplasts, pp.12-29, (1983)
	De La Pena, et al., Transgenic Rye Plants Obtained by Injecting DNA into young Floral Tillers", Letters to Nature, Nature, Vol. 325, pp. 274-276, (1987)
	Deikman, J. and Fischer R., L. "Interaction of a Dna Binding Factor with 5'flanking Region of an Ethylene-responsive Fruit Ripening Gene from Tomato", The EMBO, Journal 7, pp. 3315-3320 (1988)
	Ditta, G., et al., "Broad Host Range DNA Cloning System for Gram Negative Bacteria: Construction of a Gene Bank of Rhizobium Meliloti", Proc. Natl. Acad. Science, Vol. 77, No. 12, 7347-7451 (1980)
	Dong, J.G., et al, "Cloning of a Cdna Encoding 1-aminocyclopropane-1-carboxylate Synthase and Expression of its Mrna in Ripening Apple Fruit", Planta, pp. 38-45 (1991)
	Evans, D.A., and Bravo, J.E., "Protoplast Isolation and Culture", Handbook of Plant Cell Cultures, 124-176 (1983)
	Fan, D. et al, "Cloning and Characterization of the Cdna Encoding 1-aminocyclopropane-1-carboxylate (Acc) Synthase from Pelargonium Hortorum-sincerity", CSU, The FASEB Journal, Vol. 2368, pp. 1410 (1986)
	Fan, J.G., Smith, C., Ranu, R.S., and Fuller, C.W. "Dna Sequencing with [a-33p] Labeled Ddntp Terminators: a New Approach to Dna Sequencing with Thermo Sequase Dna Polymerase", CSU, Biotechniques, pp. 1132-1137 (1996)
	Firoozabady, E., et al, "Regeneration of transgenic rose (Rosa hybrida) plants from embryogenic tissue", Bio/Technol., vol 12, June 1994, pp. 609-613
	Frischauf, A.M., Lehrach, H., Poustka, A., and Murray, N. "Lambda Replacement Vectors Carrying Polylinker Dequences", J. Molecular Biology, vol. 170, pp. 827-842 (1983)
	Fromm, M., et al., Proc. Natl. Acad. Sci. USA 82:5824 (1985)
	Fry, et al., "Transformation of Brassica Napus with Agrobacterium tumefaciens based vectors", Plant Cell Reports, vol. 6, pp. 321-325 (1987)
	Gautier, et al., "a-DNA IV: a-anomeric tetrathymidylates covatley linked to intercalating oxazolopyridocarbazole. Synthesis, physiochemical properties and poly (Ra) binding", Nucl. Acids Res., vol. 15, pp. 6625-6641, (1987)
	GenBank User Services, "Release Date of U17229", E-mail message, April 22, 1998
	Graves, et al., "The transformation of Zea Mays seedlings with agrobacterium tumefaciens", Plant Mol. Biol. vol. 7, pp. 43-50 (1986)
	Gray, J.E., et al, "Altered Gene Expression, Leaf Senescence, and Fruit Ripening by Inhibiting Ethylene Synthesis with EFE-Antisense Genes", Cellular and Molecular Aspects of the Plant Hormone Ethylene, pp. 82-89, (1993)
	Grimsley, et al., "Agrobacterium mediated delivery of infectious maize streak virus into maize plants", Nature, vol. 325, pp. 177-179 (1987)
	Grimsley, et al., "Meristemic tissues of maize plants are most susceptible to agroinfection with maize streak virus", Bio-Technology vol. 6, 185-190, (1988)
	Guillemaut, P. and Marechal-Drouard, L. "Isolation of Plant Dna: A Fast, Inexpensive, and Reliable Method", Plant Molecular Biology Reporter, vol. 10, pp. 60-65 (1992)
	Guilley, H., et al., "Transcription of califlower mosaic virus DNA: Detection of Promoter Sequences, and Chracterization of Transcripts", Cell, vol 30, pp. 763-773 (1982)
	Gultinan, M.J., Marcotte, W.R., and Quatrano, R.S. "A Plant Leucine Zipper Protein That Recognizes an Absciscic Acid Response Element", Science, Vol. 10, pp. 267-271 (1990)
	Gurley, et al., "Upstream Sequences Required for Efficient Expression of a Soybean Heat Shock Gene.", Mol. Cell Biol. vol. 6 pp. 559-565 (1986)
RK	Ha, et al., "Cis-acting regulatory elements controlling temporal and organ specific activity of nopaline synthase promoter", Nucl. Acids Res., vol. 17, pp. 215-224, (1989)

Russell (Rally)

4/3/03

RK	Hames, B.D., et al., Nucleic Acid Hybridisation: A Practical Approach, IRL Press, Washington, DC pp. 1-13, (1985)
	Hamilton, AJ, et al., "Antisense Gene that Inhibits Synthesis of the Hormone Ethylene in Transgenic Plants", Nature, pp. 284-287, (1990)
	Henskens, D., et al., "Expression of Two ACC Synthase mRNAs In Carnation Flower Parts During Aging and Following Treatment With Ethylene", Agrotechnological Research Institute, pp. 323-324, (1993)
	Herrera-Estrella, et al., "Light inducible and chloroplast associated expression of a chimaeric gene introduced into Nicotiana Tabacum using a TI plasmid vector", Nature, vol. 310, pp. 115-120, (1984)
	Hoffman, N.E., et al., "Identification of a 1-(malonylamino)cyclopropane 1-carboxylic acid as a major conjugate of 1-aminocyclopropane-1-carboxylic acid, an ethylene precursor in Higher Plants", (1982), Biochem Biophys. Res. Commun. vol. 104, no. 2, pp.765-770
	Hooykaas-Van Slogteren, et al., "Expression of TI plasmid genes in monocotyledonous plants infected with agrobacterium tumefaciens", Nature, vol. 311, pp. 763-764 (1984)
	Horsch, et al., "A Simple and General Method for Transferring Genes into Plants", Science, vol. 227 pp. 1229-1231, (1985)
	Huang, P.L., Park J.E., and Rottmann, W.H., "Theologis: a Two Genes Encoding I -Aminocyclopropane-i -Carboxylate Synthase in Zucchini (Cucurbita Pepo) Are Clustered and Similar but Differentially Regulated", Proc Natl Acad Sci, (1991), pp. 7021-7025.
	Hull, et al., "The Sequence of carnation etched ring virus DNA: comparison with cauliflower mosaic virus and retroviruses", The EMBO Journal, vol 5. no. 12, pp. 3083-3090 (1986)
	Jefferson, et al., "GUS Fusions: B-glucuronidase as a sensitive and versatile gene fusion marker in higher plants", EMBO J. 6:3901-3907 (1987)
	Jensen, J.S., et al., "Nodule-specific expression of a chimaeric soybean leghaemoglobin gene in transgenic Lotus Corniculatus", Nature 321:669-674 (1986)
	John, M.E., "An efficient method for isolation of RNA and DNA from plants containing polyphenolics", Nucleic Acids Research (1992), pp. 2381
	Jones, et al., "High Level Expression of introduced chimaeric genes in regenerated transformed plants", (1985), The EMBO Journal, vol. 4, pp. 2411-2418
	Karlin, S. and Altschul, S., "Methods For Assessing The Statistical Significance Of Molecular Sequence Features By Using General Scoring Schemes", Proc. Natl. Acad. Sci., (1990), pp 2264-2268
	Karlin, S. and Altschul, S., "Applications and Statistics For Multiple High-Scoring Segments In Molecular Sequences", Proc. Natl. Acad. Sci., (1993), pp. 5873-5877
	Kay, et al., "Duplication of Camv 35s Promoter Sequences Creates a Strong Enhancer for Plant Genes" Science 236:1299-1302 (1987)
	Kende, H., et al, "Ethylene Biosynthesis: Annual Review of Plant Physiology", Plant Molecular Biology, (1993), pp. 283-307
	Kende, H., Hoffmann-Benning, S. and Sauter, M. "The Role of Ethylene in Regulating Growth of Deepwater Rice," MSU Plant Research Laboratory, (1993), pp. 329-334
	Khorana, H.G., "Total Synthesis of a Gene", Science, vol. 203, pp. 614-625 (1979)
	Kim, W.T., et al., "Induction of 1-aminocyclopropane-1-carboxylate Synthase MRNA by Auxin in Mung Bean Hypocotyls and Cultured Apple Shoots", (1991), Plant Physiol 98:465-471
	Kionka, C., et al, " The enzymatic Malonylation of 1-aminocyclopropane-1-carboxylic Acid in Homogenates of mung bean hypocotyls", Planta 162: 226-235, (1984)
	Klee, et al., "Control of Ethylene Synthesis by Expression of a bacterial enzyme in Transgenic Tomato plants.", (1991), Plant Cell 3: 1187-1193
	Klein, et al., "Factors Influencing Gene Delivery in ZEA may Cells by High Velocity Micro Projectiles", Bio/Technology 6:559-563 (1988)
RK	Köck, M., et al., "A Gene Involved in Ethylene Synthesis in a Tomato", (1991), Plant Mol Biol 17:141-142

Russell Kaelin

4/3/09

RK	Kretz, P. L., and Short, J. M., "Strategies of Molecular Biology", Mol. Biol. 2, (1989), pp. 25-26.
	Kretz, P.L., Kohler, S. W., and Short, J. M. "Identification and Characterization of a Gene Responsible for Inhibiting Propagation at Methylated Dna Sequences in Mcra Mcrb I Escherichia Coli Strains", J. Bacteriol (1991), vol. 173, pp. 4707-4716.
	Kretz, P.L., Reid, C.H., Greener, A., and Short, J. M., "Effect of Lambda Packaging Extract Mcr Restriction Activity on DNA Cloning", Nucleic Acids Res., (1989), vol. 17, pp. 5409.
	Krol, et al., "Modulation of Eukaryotic Gene Expression by Complementary RNA and DNA sequences", Bio/Techniques, vol. 6, pp. 958-976, (1988)
	Lambda Dash, "IIIBauHI Vector Kit", Stratagene Instructional Manual (1997), pp 1-15.
	Landsmann, et al., "Organ regulated Expression of the Parasponia andersonii haemoglobin gene in Transgenic tobacco Plants", Mol. Gen. Genet. vol. 214, pp. 68-73 (1988)
	Lee J.S., "Alternative Dideoxy Sequencing of Double-Stranded Dna Cyclic Reaction Using Taq Polymerase", DNA Cell Biol (1991), pp. 67-73.
	Liang, X., et al, "The 1-aminocyclopropane-1-carboxylate synthase gene family of Arabidopsis thaliana", Proceedings of the National Academy of Sciences, (1992), pp. 11046-11050
	Lincoln, J.E. and Fischer, R.L. "Diverse Mechanisms for the Regulation of Ethylene Inducible Gene Expression", Molecular and General Genetics, (1993), pp. 71-75.
	Lincoln, J.E., Campbell, A.D., Octiker, J., Rottmann, W.H., Oeller, P.W., and Shen, N.F., "Theologis: A Le-acs4, a Fruit Ripening and Wound-induced 1-Aminocyclopropane-1-Carboxylate Synthase Gene of Tomato (Lycopersicon Esculentum)", J Biol Chem, (1993), pp. 19422-19430.
	Logemann, J., et al, "Improved Method for the Isolation of RNA from Plant Tissues", Analytical Biochem (1987), pp. 16-20
	Lorz, et al., "Gene Transfer to Cereal Cells Mediated by Protoplast Transformation", Mol. & Gen. Genet. vol. 199, pp. 178-182 (1985)
	Maniatis, T., et al., "In Vitro Synthesis and Molecular Cloning of Eukaryotic Structural Genes", Molecular Mechanisms in the Control of Gene Expression, Cold Spring Harbor Laboratory Press, Nierlich, D.P. et al, Acad Press, NY, Vol. 5, pp. 513-533 (1976)
	Manning, K., "Isolation of Nucleic Acids from Plants by Differential Solvent Precipitation", Analytical Biochemistry (1991), pp. 45-50
	Marton, L., "Transformation of Tobacco Cells By Coculture with Agrobacterium tumefaciens", Cell Culture and Somatic Cell Genetic of Plants 1:514-521 (1984)
	Michael, M.Z., et al, "Cloning of Ethylene Biosynthetic Genes Involved in Petal Senescence of Carnation and Petunia, and their Antisense Expression in Transgenic Plants", Cellular and Molecular Aspects of the Plant Hormone: Ethylene, (1993), pp. 298-303
	Miller, P.S., et al., "Biochemical and Biological effects of Nonionic Nucleic Acid Methylphosphonates", Biochemistry 20:1874-1880 (1981)
	Morgan, M.E., and Saltveit, J.R. "Aging and Senescence", Ethylene In Plant Biology, (1992), pp. 176-181
	Morgan, M.E. Saltveit, J.R., "Introduction and Historical Perspectives", Ethylene In Plant Biology, (1991), pp. 1-13
	Mullis, K.B., et al, "Specific Synthesis of DNA in Vitro via a Polymerase-Catalyzed Chain Reaction", Methods in Enzymology, (1987), pp. 335-350
	Murashige, T. and Folke, S. "A Revised Medium For Rapid Growth and Bio Assays With Tobacco Tissue Cultures", Physiologia Plantarum, Vol. 15, pp. 473-515 (1962)
	Murray, A.J. "Expression of EFE Antisense RNA in Tomato Causes Retardation of Leaf Senescence and Most Fruit Ripening Characteristics", Cellular and Molecular Aspects of the Plant Hormone: Ethylene, (1993), pp. 327-328
RK	Nadeau, J. and O'Neill, S., "Nucleotide Sequence of a cDNA Encoding 1-Aminocyclopropane-1-Carboxylate Oxidase from Senescing Orchid Petals", Division of Biological Science, Plant Biology Section, (1995), pp. 833-834

Russell Kally

4/3/03

	Nadeau, J., Zhang, X.S., Nair, H., and O'Neill, S. "Temporal and Spatial Regulation of 1-aminocyclopropane-1-carboxylate Oxidase in the Pollination-induced Senescence of Orchid Flowers", Division of Biological Science, Plant Biology Section, (1993), pp. 31-39.
	Nakagawa, et al, "Cloning of a Complementary DNA for Auxin-Induced 1-Aminocyclopropane-1-carboxylate Synthase and Differential Expression of the Gene by Auxin and Wounding", (1991) Plant Cell Physiol, 32; 1153-63
	Nakajima, N., et al, "Molecular Cloning and Sequence of a Complementary DNA Encoding 1-Aminocyclopropane-1-carboxylate Synthase Induced by Tissue Wounding", Plant Cell Physiology, (1990), pp. 1021-1029
	Nell, T., "Use and Care Advice", Geranium IV: The Grower's Manual, 4th Ed., (1991), Chapter 18, pp 171-172
	Odell, et al., "Identification of DNA Sequences required for activity of the cauliflower mosaic virus 35S promoter", Nature 313:810-812 (1985)
	Oeller, P.W., et al, "Reversible Inhibition of Tomato Fruit Senescence by Antisense RNA", Science, (1991), pp. 437-439
	Ohme-Takagi and Shinshi, "Ethylene-inducible Dna Binding Proteins That Interact with Ethylene Responsice Element", Plant Cell 7, (1995), pp. 173-182.
	Olson, D.C., et al, "Differential expression of two genes for 1-aminocyclopropane-1-carboxylate synthase in tomato fruits", Proceedings of National Academy of Sciences, (1991), pp. 5340-5344
	O'Neill, et al., "Interorgan regulation of Ethylene Biosynthetic Genes by Pollination", (1993) Plant Cell 5: 419-432
	Park, K.Y., et al, "Molecular cloning of an 1-aminocyclopropane-1-carboxylate synthase from senescing carnation flower petals", Plant Molecular Biology, (1992), Vol. 18, pp. 377-386
	Paszowski, et al., "Direct Gene Tranfer to Plants", EMBO Jounal 12:2717-2722 (1984)
	Pogson B.J., et al., "Differential Expression of Two 1-Aminocyclopropane-1-lcarboxylic Acid Oxidase Genes in Broccoli after Harvest", (1995) Plant Physiol 108: 651-657
	Rando, R.R., "Chemistry and Enzymology of K <sub>cat</sub> Inhibitors" (1974), Science 185, pp. 320-324
	Ranu, R.S., et al, "Regulation of Protein Synthesis in Rabbit Reticulocyte Lysates: Preparation of Efficient Protein Synthesis Lysates andthe Purification and Characterization of the Heme-Regulated Translational Inhibitory Protein Kinase", Methods in Enzymology, Vol. 60, (1979), pp. 459-484
	Ranu, R.S., et al, "In Vitro Translation of the Full-Length RNA Transcript of Figwort Mosaic Virus (Caulimovirus)", Gene Expression, Volume 5, (1996), pp. 143-153
	Ranu R.S., "DNA Sequencing With Taq-DNA Polymerase", Biotechniques, (1995), pp. 390-395.
	Reich et al., "Efficient Tranformation of Alfalfa Protoplasts by the intranuclear Microinjection of TI Plasmids", Bio/Technology, 4:1001-1004 (1986)
	Reid & Men-Jen, "Ethylene and Flower Senescence", Plant Growth Regulation II, (1992), pp. 37-43
	Richins, et al., "Sequence of Figwort Mosaic virus DNA", Nucl. Acids Res. 15:8451-8466 (1987)
	Rothstein, et al, "Stable and heritable inhibition of the expression of nopaline synthase in tobacco expressing antisense RNA", (1987) Proc. Natl. Acad. Sci. 84: 8439-8443
	Rottmann, W.H., et al, "Theologis: A 1 -Aminocyclopropane-I -Carboxylate Synthase in Tomato Is Encoed by a Multigene Family Whose Transcription If Induced During Fruit and Floral Senescence", Journal of Molecular Biology, (1991), pp. 937-961
	Sambrook, J., Fritsch, E.F., and Maniatis, T., "Molecular Cloning: A Laboratory Manual", Cold Spring Harbor Laboratory Press (1989)
	Sanders, et al., "Comparison of Cauliflower mosaic virus 35s and nopaline synthase promoters in transgenic plants", Nucl. Acids Res. vol. 15, no. 4, pp. 1543-1558 (1987)
	Sanger, F., et al, "DNA sequencing with chain-terminating inhibitors", Proc. Natl. Acad. Sci., (1977), pp. 5463-5467
	Sarin, et al., "Inhibition of acquired immunodeficiency syndrome virus by oligooxynucleoside methylphosphonates", (1988) Proc. Natl. Acad. Sci. U.S.A. 85:7448-7451

Rumell K ally

4/5/03

RK	Sato, et al, "Cloning the mRNA encoding 1-aminocyclopropane-1-carboxylate synthase, the key enzyme for ethylene biosynthesis in plants", Proceedings of the National Academy of Sciences, (1989), pp. 6621-6625
	Sato, Takahide, et al, "The 1-Aminocyclopropane-1-carboxylate Synthase of Cucurbita", The Journal of Biological Chemistry, Vol 286, (1991), pp. 3752-3759
	Schlaginhauser, C.D., et al, "Molecular cloning of an ozone-induced 1-aminocyclopropane-1-carboxylate synthase cDNA and its relationship with a loss of <i>rbcS</i> in potato ( <i>Solanum tuberosum</i> L.)", Plant Molecular Biology, (1995), pp. 93-103
	Schmulling, et al., "Promoters of the <i>rolA</i> , B and C Genes of <i>Agrobacterium Rhizogenes</i> are differentially regulated i transgenic plants", (1989), Plant Cell 1, pp. 665-670
	Shin, O.Y., Octiber, J.H., Yip, W.K., Yang, S.F. "The Promoter of <i>Le-acs7</i> , an Early Flooding-induced I -Aminocyclopropane-i -Carboxylate Synthase Gene of the Tomato Is Tagged by a S013 Transposon", Proc. Nad. Acad. Sci., (1995), pp. 10334-10339.
	Slater, A., et al., "Isolation and characterization of CDNA clones for Tomato polygalacturonase and other ripening related proteins", (1985), Plant Mol Bio vol. 15, pp. 137-147
	Smith, C.J.S., et al, " Antisense RNA inhibition of polygalacturonase gene expression in transgenic tomatoes", Letters to Nature, Nature, (1991), pp. 724-726
	Smith, T.F. and M.S. Waterman, "Indentification of Common Molecular Subsequences," J. Molecular Biology (1981), pp. 195-197
	Stein, et al., "Physiochemical properties of phosphorothiothate oligodeoxynucleotides", (1988), Nucl. Acids Res. 16:3209-3221
	Stiekema, et al., "Phytochrome control of the Expression of Two Nuclear Genes Encoding Chloroplast Proteins in <i>Lemna Gibba</i> L. G-3", (1983), Plant Physiol. 72:717-724
	Stockhaus, et al., "Identification of Enhancer elements in the Upstream region of the Nuclear Photosynthtic Gene ST-LS1", (1989), The Plant Cell 1:805-814
	Sugaya, et al., "Cell Specific Expression of the <i>RolC</i> Gene of the TL-DNA of Ri Plasmid in Transgenic Tobacco Plants", (1989), Plant Cell Physiol. 30:649-654
	Theologis, A., et al, "Modifying Fruit Ripening By Supressing Gene Expression", Cellular and Molecular Aspects of the Plant Hormone Ethylene, (1993), pp. 19-23
	Thompson, et al., "Phytochrome control of RNA Levels in developing pea dn mung bean leaves", (1983), Planta 158:487-500
	US Application 08/724,194, filed October 1, 1996, "1-aminocyclopropane-1-carboxylate Synthase Genes from Pelargonium to Control Ethylene Levels in Geraniums", 57 pages & 8 figures
	US Application 09/171,482, filed October 19, 1998, "A 1-aminocyclopropane-1-carboxylate Synthase Gene from Rosa to Control Ethylene Levels in Roses", 51 pages
	Van Der Straeten, et al, "Cloning, Genetic Mapping, and Expression Analysis of an Arabidopsis Thalinalana Gene that Encodes 1 -Aminocyclopropane-1 -Carboxylate Synthase", Proc Natl Acad Sci., (1992), pp. 9969-9973.
	Van Der Straeten, D., et al, "Cloning and Sequence of two different cDNAs encoding 1-aminocyclopropane-1-carboxylate Synthase in a Tomato", Proceedings of the National Academy of Sciences, (1990), pp. 4859-4863
	Wang and Woodson, "Nucleotide Sequence of a cDNA Encoding the Ethylene-Forming Enzyme from <i>Petunia Corollas</i> ", Plant Physiology, (1992), pp. 535-536
	Wang and Woodson, "A Flower Senescence-Related mRNA from Carnation Shares Sequence Similarity with Fruit Ripening-Related mRNAs Involved in Ethylene Biosynthesis", Department of Horticulture, Plant Physiology, (1991) pp. 1000-1001
	Wang, T.W. and Arteca, R.N., "Identification and Characterization of cDNAs Encoding Ethylene Biosynthetic Enzymes from Pelargonium X Hortorum CV Snow Mass Leaves", Plant Physiology, (1995), pp. 627-636
	Waterman. M.S. and Eggert, M. "A New Algorithm for Best Subsequence Alignments With Application to Trna-Rrna Comparison," J. Molecular Biology, (1987), pp. 723-728,
RK	Wen, C.M., et al., "Nucleotide Sequence of a cDNA Clone Encoding 1-Aminocyclopropane-1-Carboxylate Synthase in Mustard", (1993), Plant Physiol 103:1019-1020

Rumel Kallip

4/3/03

RK	Wu, R., et al., "Synthetic Oligodeoxynucleotides for Analyses of DNA Structure and Function", Prog. Nucl. Acid Res. Molec. Biol. 21:101-141 (1978)
	Yang, S. F., et al, "Ethylene Biosynthesis and its Regulation in Higher Plants", Plant Physiology Annual Review (1984), pp. 155-189
	Yip, W.K., et al, "Differential Accumulation of Transcripts for Four Tomato 1-aminocyclopropane-1-carboxylate Synthase Homologs under Various Conditions", Proceedings of the National Academy of Sciences, (1992), Vol. 89, pp. 2475-2479
	Zarembinski, T.I. , et al, "Ethylene Biosynthesis and Action: A Case of Conservation", Plant Molecular Biology, (1994), pp. 1579-1597
	Zarembinski, T.I., et al., "Anaerobiosis and Plant Growth Hormones Induce Two Genes Encoding 1-Aminocyclopropane-1-carboxylate Synthase in Rice", (1993) Molecular Biology of the Cell, Vol. 4: 363-373
	Zon, G., "Oligionucleotide Analogues as Potential Chemotherapeutic Agents", (1988), Pharmaceutical Research, Vol. 5, No. 9:539-549
RK	US Provisional Patent Application No. 60/239,782, filed October 12, 2000, entitled "Partial Gene Sequence from <i>Pelargonium</i> to Control Ethylene Levels in Geraniums"

Russell Hallin

4/3/02